

Patent Claims:

1. (currently amended) A blade row of a turbo-machine, comprising:
a blade having a root, a center region, a tip, a leading edge and a trailing edge, the blades arranged circumferentially adjacent to each other to form a row;
a shroud plate arranged at each blade tip, the shroud plate adapted to inhibit untwisting of the blades; and
a support element arranged between adjacent blades located approximately in the blade center region and coupling the adjacent blades.
2. (currently amended) The blade row as claimed in claim 1, wherein the leading edge of the blade is coupled to the trailing edge of an adjacent blade by the supporting element.
3. (currently amended) The blade row as claimed in claim 1, wherein the supporting element is a pin.
4. (currently amended) The blade row as claimed in claim 1, wherein the blades are formed from titanium or a titanium alloy.
5. (currently amended) The blade row as claimed in claim 1, wherein the turbo-machine is a fluid flow machine.
6. (new) A rotating blade for use in a turbo-machine, comprising:
a first rotating blade with a first leading edge, a first trailing edge, a first blade tip, a first blade root, a first blade center region, and a first blade shroud located near the first blade tip;
a second rotating blade with a second leading edge, a second trailing edge, a second blade tip, a second blade root, a second blade center region, and a second blade shroud located near the second blade tip; and
a support element located between the first rotating blade and the second rotating blade and arranged approximately in the blade center region, and adapted to couple the first rotating blade to the second rotating blade.

7. (new) The rotating blade as claimed in claim 6, wherein the first rotating blade is located adjacent to the second rotating blade.
8. (new) The rotating blade as claimed in claim 6, wherein a plurality of first rotating blades and second rotating blades are arranged on a rotor of the turbo-machine to form a row of rotating turbine blades.
9. (new) The rotating blade as claimed in claim 6, wherein the first rotating blade shroud has a contact face and the second rotating blade shroud has a contact face.
10. (new) The rotating blade as claimed in claim 9, wherein the first rotating blade shroud contact face is arranged approximately opposite to the second rotating blade shroud contact face.
11. (new) The rotating blade as claimed in claim 10, wherein blade untwist is prevented by the first rotating blade shroud contact face contacting the second rotating blade contact face during operation.
12. (new) The rotating blade as claimed in claim 6, wherein the leading edge of the first rotating blade is coupled to the trailing edge of the second rotating blade by the supporting element.
13. (new) The rotating blade as claimed in claim 6, wherein the supporting element a pin.
14. (new) The rotating blade as claimed in claim 6, wherein the rotating blade is formed from titanium or a titanium alloy.
15. (new) A method for reducing vibration in a rotating blade within a turbo-machine, comprising:

assembling a first rotating blade on a turbine rotor;

assembling a second rotating blade on the turbine rotor so the first rotating blade and second rotating blade are adjacent;

installing a support element between the first rotating blade and the second rotating blade, the support element located approximately in the blade center region; and

coupling the first rotating blade to the second rotating blade.

16. (new) The method as claimed in claim 15, wherein the support element is a pin.

17. (new) The method as claimed in claim 15, wherein the rotating blade is formed from titanium or a titanium alloy.

18. (new) The blade row as claimed in claim 1, wherein untwisting inhibition is provided by contact between the shroud plates of adjacent blades during operation.